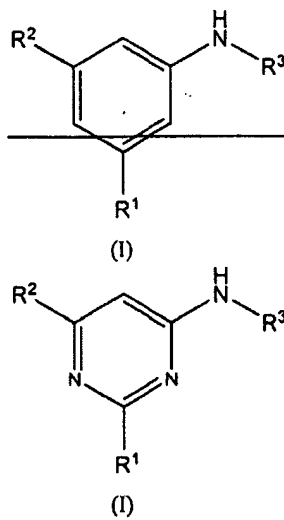


AMENDMENTS TO THE CLAIMS

1. (Currently amended) A compound of formula (I)



wherein:

R¹ and represents a monocyclic heteroaryl group selected from the group consisting of furyl, thienyl and pyrazolyl, which groups are optionally substituted by one or more substituents selected from the group consisting of halogen atoms and straight or branched, optionally substituted lower alkyl;

R² independently represent represents a monocyclic or polycyclic heteroaryl group optionally substituted by one or more substituents selected from the group consisting of halogen atoms, straight or branched, optionally substituted lower alkyl, cycloalkyl, hydroxy, straight or branched, optionally substituted lower alkoxy, -SH, straight or branched optionally substituted lower alkylthio, cyano, -NR'R'', -CO₂R', wherein R' and R'' each independently represents a hydrogen atom or a straight or branched, optionally substituted lower alkyl group or R' and R'' together with the nitrogen atom to which they are attached form a cyclic group;

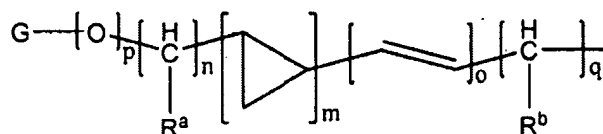
R³ represents a group selected from -COR⁴, -CON(R⁴)R⁵, -COOR⁴ and -R⁶;

each of R⁴ and R⁶ independently represents a group selected from:

(a) hydrogen;

(b) a straight or branched lower alkyl group which is optionally substituted by one or more halogen atoms or by one or more cycloalkyl, hydroxy, lower alkoxy, lower alkylthio, amino, mono- or dialkylamino, alkoxyalkyl, hydroxycarbonyl, alkoxycarbonyl and nitrile groups; and

(c) a group of formula:



wherein:

m, o and p are independently 0 or 1;

n and q are independently selected from integers from 0 to 6;

R^a and R^b are independently a hydrogen atom or a lower alkyl group;

G is a group selected from cycloalkyl, aryl or heteroaryl groups which are optionally substituted by one or more halogen atoms or by one or more lower alkyl, cycloalkyl, lower haloalkyl, hydroxy, lower alkoxy, lower alkylthio, amino, mono- or dialkylamino, hydroxyalkyl, alkoxyalkyl, hydroxycarbonyl, alkoxy carbonyl and nitrite groups;

R⁵ represents hydrogen or a lower alkyl, cycloalkyl or benzyl group; or

R⁴ and R⁵ together with the nitrogen atom to which they are attached form a saturated or unsaturated ring which is optionally substituted by one or more lower alkyl, cycloalkyl or benzyl groups;

or pharmaceutically acceptable salts thereof]]

~~—with the proviso that the compound is not one of 2,6 dipyridin-4-ylpyrimidin-4-amine, 4-(3-methoxyanilino)-2,6-di(2-pyridinyl)pyrimidine, 4-(2,5-dimethoxyanilino)-2,6-di(2-pyridinyl)pyrimidine, 4-(5-methoxy-2-methylanilino)-2,6-di(2-pyridinyl)pyrimidine, 4-(2-methoxy-5-methylanilino)-2,6-di(2-pyridinyl)pyrimidine, 4-(2-chloro-5-methoxyanilino)-2,6-di(2-pyridinyl)pyrimidine, and 4-(2,5-dimethylanilino)-2,6-di(2-pyridinyl)pyrimidine.~~

2.-5. (Canceled)

6. (Currently amended) A compound according to ~~claim 5~~ claim 1, wherein R¹ represents an unsubstituted furyl group.

7.-13. (Canceled)

14. (Currently amended) A compound according to claim 1, wherein the compound is:

2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-amine;

N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]acetamide;

N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]propanamide;

N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]-2-methylpropanamide;

N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]-2,2-dimethyl-propanamide;

N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]cyclopropane-carboxamide;

N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]cyclobutane-carboxamide;

N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]cyclohexane-carboxamide;

3-Cyclopentyl-N-[2-(2-furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]propanamide;

N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]-2-(4-methoxyphenyl) acetamide;

2-(3,4-Dimethoxyphenyl)-N-[2-(2-furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]acetamide;

N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]-3-phenyl-propanamide;

(2*S*)-N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]-2-phenyl-cyclopropanecarboxamide;

3,3,3-Trifluoro-N-[2-(2-furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]propanamide;

3-(3,4-Dimethoxyphenyl)-N-[2-(2-furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]propanamide;

N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]-2-methyl-3-phenyl-propanamide;

N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]-3-phenoxy-propanamide;

N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]-3-pyridin-3-ylpropanamide;

N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]-2-pyridin-3-yl-acetamide;
(2*E*)-3-(3,4-Dimethoxyphenyl)-N-[2-(2-furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]acrylamide;
6-(3,5-Dimethyl-1*H*-pyrazol-1-yl)-2-(2-furyl)pyrimidin-4-amine;
N-[6-(3,5-Dimethyl-1*H*-pyrazol-1-yl)-2-(2-furyl)pyrimidin-4-yl]acetamide;
N-[2-(3,5-Dimethyl-1*H*-pyrazol-1-yl)-6-(2-furyl)pyrimidin-4-yl]propanamide;
N-[6-(3,5-Dimethyl-1*H*-pyrazol-1-yl)-2-(2-furyl)pyrimidin-4-yl]-2-methyl-propanamide;
N-[6-(3,5-Dimethyl-1*H*-pyrazol-1-yl)-2-(2-furyl)pyrimidin-4-yl]-2,2-dimethylpropanamide;
N-[6-(3,5-Dimethyl-1*H*-pyrazol-1-yl)-2-(2-furyl)pyrimidin-4-yl]-cyclopropanecarboxamide;
3-Cyclopentyl-N-[6-(3,5-dimethyl-1*H*-pyrazol-1-yl)-2-(2-furyl)pyrimidin-4-yl]propanamide;
N-[6-(3,5-Dimethyl-1*H*-pyrazol-1-yl)-2-(2-furyl)pyrimidin-4-yl]-2-(4-methoxyphenyl)acetamide;
2-(3,4-Dimethoxyphenyl)-N-[6-(3,5-dimethyl-1*H*-pyrazol-1-yl)-2-(2-furyl)pyrimidin-4-yl]acetamide;
N-[6-(3,5-Dimethyl-1*H* pyrazol-1-yl)-2-(2-furyl)pyrimidin-4-yl]-3-phenylpropanamide;
N-[6-(3,5-Dimethyl-1*H*-pyrazol-1-yl)-2-(2-furyl)pyrimidin-4-yl]-3,3,3-trifluoropropanamide;
3-(3,4-Dimethoxyphenyl)-N-[6-(3,5-dimethyl-1*H*-pyrazol-1-yl)-2-(2-furyl)pyrimidin-4-yl]propanamide;
N-[6-(3,5-Dimethyl-1*H*-pyrazol-1-yl)-2-(2-furyl)pyrimidin-4-yl]-3-phenoxypropanamide;
N-[6-(3,5-Dimethyl-1*H*-pyrazol-1-yl)-2-(2-furyl)pyrimidin-4-yl]-2-pyridin-3-ylacetamide;
N-[6-(3,5-Dimethyl-1*H*-pyrazol-1-yl)-2-(2-furyl)pyrimidin-4-yl]-3-pyridin-3-ylpropanamide;
2-(2-Furyl)-6-(4-methyl-1*H*-pyrazol-1-yl)pyrimidin-4-amine;
N-[2-(2-Furyl)-6-(4-methyl-1*H*-pyrazol-1-yl)pyrimidin-4-yl]-propanamide;
2-(2-Furyl)-6-(3-methyl-1*H*-pyrazol-1-yl)pyrimidin-4-amine;
N-[2-(2-Furyl)-6-(3-methyl-1*H*-pyrazol-1-yl)pyrimidin-4-yl]propanamide;

2-(2-Furyl)-6-[3-(trifluoromethyl)-1*H*-pyrazol-1-yl]pyrimidin-4-amine;
N-[2-(2-Furyl)-6-[3-(trifluoromethyl)-1*H*-pyrazol-1-yl]pyrimidin-4-yl]-propanamide;
2-(2-Furyl)-6-[5-methyl-3-(trifluoromethyl)-1*H*-pyrazol-1-yl]pyrimidin-4-amine;
N-[2-(2-furyl)-6-[5-methyl-3-(trifluoromethyl)-1*H*-pyrazol-1-yl]-pyrimidin-4-yl]propanamide;
2-(2-Furyl)-6-(1*H*-1,2,4-triazol-1-yl)pyrimidin-4-amine;
N-[2-(2-furyl)-6-(1*H*-1,2,4-triazol-1-yl)pyrimidin-4-yl]acetamide;
N-[2-(2-Furyl)-6-(1*H*-1,2,4-triazol-1-yl)pyrimidin-4-yl]propanamide;
3,3,3-Trifluoro-N-[2-(2-furyl)-6-(1*H*-1,2,4-triazol-1-yl)pyrimidin-4-yl]-propanamide;
2-(5-Bromo-2-furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-amine;
N-[2-(5-bromo-2-furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]propanamide;
2-(5-Chloro-2-furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-amine;
N-[2-(5-Chloro-2-furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]propanamide;
2-(5-Methyl-2-furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-amine;
N-[2-(5-methyl-2-furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]propanamide;
N-[2-(2-Furyl)-6-pyridin-3-yl]pyrimidin-4-yl]propanamide;
2-(2-Furyl)-6-pyridin-3-ylpyrimidin-4-amine;
6-(1*H*-Pyrazol-1-yl)-2-(2-thienyl)pyrimidin-4-amine;
N-[6-(1*H*-Pyrazol-1-yl)-2-(2-thienyl)pyrimidin-4-yl]acetamide;
N-[6-(1*H*-Pyrazol-1-yl)-2-(2-thienyl)pyrimidin-4-yl]propanamide;
3-Cyclopentyl-N-[6-(1*H*-pyrazol-1-yl)-2-(2-thienyl)pyrimidin-4-yl]propanamide;
3-Phenyl-N-[6-(1*H*-pyrazol-1-yl)-2-(2-thienyl)pyrimidin-4-yl]propanamide;
3,3,3-Trifluoro-N-[6-(1*H*-pyrazol-1-yl)-2-(2-thienyl)pyrimidin-4-yl]-propanamide;
3-(3,4-Dimethoxyphenyl)-N-[6-(1*H*-pyrazol-1-yl)-2-(2-thienyl)pyrimidin-4-yl]propanamide;
3-Phenoxy-N-[6-(1*H*-pyrazol-1-yl)-2-(2-thienyl)pyrimidin-4-yl]-propanamide;

N-[6-(1*H*-Pyrazol-1-yl)-2-(2-thienyl)pyrimidin-4-yl]-2-pyridin-3-yl-acetamide;
N-[6-(1*H*-Pyrazol-1-yl)-2-(2-thienyl)pyrimidin-4-yl]-3-pyridin-3-ylpropanamide;
(2*E*)-3-(3,4-Dimethoxyphenyl)-N-[6-(1*H*-pyrazol-1-yl)-2-(2-thienyl)-pyrimidin-4-yl]acrylamide;
6-(3,5-Dimethyl-1*H*-pyrazol-1-yl)-2-(2-thienyl)pyrimidin-4-amine;
N-[6-(3,5-Dimethyl-1*H*-pyrazol-1-yl)-2-(2-thienyl)pyrimidin-4-yl]acetamide;
N-[6-(3,5-Dimethyl-1*H*-pyrazol-1-yl)-2-(2-thienyl)pyrimidin-4-yl]propanamide;
N-[6-(3,5-Dimethyl-1*H*-pyrazol-1-yl)-2-(2-thienyl)pyrimidin-4-yl]-3,3,3-trifluoropropanamide;
2-(2-Thienyl)-6-(1*H*-1,2,4-triazol-1-yl)pyrimidin-4-amine;
N-[2-(2-Thienyl)-6-(1*H*-1,2,4-triazol-1-yl)pyrimidin-4-yl]acetamide;
N-[2-(2-Thienyl)-6-(1*H*-1,2,4-triazol-1-yl)pyrimidin-4-yl]propanamide;
3,3,3-Trifluoro-N-[2-(2-thienyl)-6-(1*H*-1,2,4-triazol-1-yl)pyrimidin-4-yl]propanamide;
N-[2-(3-Methyl-2-thienyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]propanamide;
6-(2-Furyl)-2-(1*H*-pyrazol-1-yl)pyrimidin-4-amine;
N-[6-(2-Furyl)-2-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]acetamide;
N-[6-(2-Furyl)-2-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]propanamide;
3,3,3-Trifluoro-N-[6-(2-furyl)-2-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]propanamide;
2-(3,5-Dimethyl-1*H*-pyrazol-1-yl)-6-(2-furyl)pyrimidin-4-amine;
N-[2-(3,5-Dimethyl-1*H*-pyrazol-1-yl)-6-(2-furyl)pyrimidin-4-yl]-propanamide;
N-[2-(3,5-Dimethyl-1*H*-pyrazol-1-yl)-6-(2-furyl)pyrimidin-4-yl]-2-(4-methoxyphenyl)acetamide;
6-(2-Furyl)-2-(1*H*-1,2,4-triazol-1-yl)pyrimidin-4-amine;
N-[6-(2-Furyl)-2-(1*H*-1,2,4-triazol-1-yl)pyrimidin-4-yl]propanamide;
2-(1*H*-Pyrazol-1-yl)-6-pyridin-2-ylpyrimidin-4-amine;
N-[2-(1*H*-Pyrazol-1-yl)-6-pyridin-2-ylpyrimidin-4-yl]propanamide;

2-(3,5-Dimethyl-1*H*-pyrazol-1-yl)-6-pyridin-2-ylpyrimidin-4-amine;
N-[2-(3,5-Dimethyl-1*H*-pyrazol-1-yl)-6-pyridin-2-ylpyrimidin-4-yl]propanamide;
N-[2-(3,5-Dimethyl-1*H*-pyrazol-1-yl)-6-pyridin-2-ylpyrimidin-4-yl]-2-(4-methoxyphenyl)acetamide;
2-(1*H*-Pyrazol-1-yl)-6-pyridin-3-ylpyrimidin-4-amine;
N-[2-(1*H*-Pyrazol-1-yl)-6-pyridin-3-ylpyrimidin-4-yl]propanamide;
2-(3,5-Dimethyl-1*H*-pyrazol-1-yl)-6-pyridin-3-ylpyrimidin-4-amine;
N-[2-(3,5-Dimethyl-1*H*-pyrazol-1-yl)-6-pyridin-3-ylpyrimidin-4-yl]-propanamide;
N-[2-(3,5-Dimethyl-1*H*-pyrazol-1-yl)-6-pyridin-3-ylpyrimidin-4-yl]-2-(4-methoxyphenyl)acetamide;
2-(1*H*-Pyrazol-1-yl)-6-pyridin-4-ylpyrimidin-4-amine;
N-[2-(1*H*-Pyrazol-1-yl)-6-pyridin-4-ylpyrimidin-4-amine];
6-(2-Furyl)-2-pyridin-2-ylpyrimidin-4-amine;
N-[6-(2-Furyl)-2-pyridin-2-ylpyrimidin-4-yl]propanamide;
2-(3-Methylpyridin-2-yl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-amine;
N-[2-(3-methylpyridin-2-yl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]propanamide;
6-(1*H*-Pyrazol-1-yl)-2-pyridin-3-ylpyrimidin-4-amine;
N-[6-(1*H*-Pyrazol-1-yl)-2-pyridin-3-ylpyrimidin-4-yl]acetamide;
N-[6-(1*H*-Pyrazol-1-yl)-2-pyridin-3-ylpyrimidin-4-yl]propanamide;
6-(3,5-Dimethyl-1*H*-pyrazol-1-yl)-2-pyridin-3-ylpyrimidin-4-amine;
N-[6-(3,5-Dimethyl-1*H*-pyrazol-1-yl)-2-pyridin-3-ylpyrimidin-4-yl]-acetamide;
N-[6-(3,5-Dimethyl-1*H*-pyrazol-1-yl)-2-pyridin-3-ylpyrimidin-4-yl]-propanamide;
N-[6-(3,5-Dimethyl-1*H*-pyrazol-1-yl)-2-pyridin-3-ylpyrimidin-4-yl]-3,3,3-trifluoropropanamide;
2-Pyridin-3-yl-6-(1*H*-1,2,4-triazol-1-yl)pyrimidin-4-amine;

3,3,3-Trifluoro-N-[2-pyridin-3-yl-6-(1*H*-1,2,4-triazol-1-yl)pyrimidin-4-yl]propanamide;
6-(2-Furyl)-2-pyridin-3-ylpyrimidin-4-ylamine;
N-[6-(2-Furyl)-2-pyridin-3-ylpyrimidin-4-yl]propanamide;
N-[6-(3,5-Dimethyl-1*H*-pyrazol-1-yl)-2-pyridin-4-ylpyrimidin-4-yl]propanamide;
6-(3,5-dimethyl-1*H*-pyrazol-1-yl)-2-pyridin-4-ylpyrimidin-4-amine;
6-(2-Furyl)-2-pyridin-4-ylpyrimidin-4-ylamine;
N-[6-(2-Furyl)-2-pyridin-4-ylpyrimidin-4-yl]propanamide;
6-(2-Furyl)-2-(1,3-thiazol-2-yl)pyrimidin-4-amine;
N-[6-(2-Furyl)-2-(1,3-thiazol-2-yl)pyrimidin-4-yl]propanamide;
2-(4-Fluorophenyl)-N-[6-(2-furyl)-2-(1,3-thiazol-2-yl)pyrimidin-4-yl]acetamide;
N-(Cyclopropylmethyl)-2-(2-furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-amine;
(2*R*)-2-[[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]amino]propan-1-ol;
3-[[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]amino]propan-1-ol;
N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]ethane-1,2-diamine;
2-(2-Furyl)-N-[2-(4-methoxyphenyl)ethyl]-6-(1*H*-pyrazol-1-yl)-pyrimidin-4-amine;
N-[2-(3,4-Dimethoxyphenyl)ethyl]-2-(2-furyl)-6-(1*H*-pyrazol-1-yl)-pyrimidin-4-amine;
2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)-N-[2-(pyridin-2-yl)ethyl]pyrimidin-4-amine;
2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)-N-[2-(pyridin-3-yl)ethyl]pyrimidin-4-amine;
2-(2-Furyl)-N-(3-phenylpropyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-amine;
2-(2-Furyl)-N-(3-(1*H*-imidazol-1-yl)propyl)-6-(1*H*-pyrazol-1-yl)-pyrimidin-4-amine;
N-(Cyclopropylmethyl)-6-(1*H*-pyrazol-1-yl)-2-(2-thienyl)pyrimidin-4-amine;
(2*R*)-2-[[6-(1*H*-Pyrazol-1-yl)-2-(2-thienyl)pyrimidin-4-yl]amino]-propan-1-ol;
3-[[6-(1*H*-Pyrazol-1-yl)-2-(2-thienyl)pyrimidin-4-yl]amino]propan-1-ol;
N-(2-Aminoethyl)-N-[6-(1*H*-pyrazol-1-yl)-2-(2-thienyl)pyrimidin-4-yl]amine;

N-[2-(4-Methoxyphenyl)ethyl]-6-(1*H*-pyrazol-1-yl)-2-(2-thienyl)-pyrimidin-4-amine;
N-[2-(3,4-Dimethoxyphenyl)ethyl]-6-(1*H*-pyrazol-1-yl)-2-(2-thienyl)-pyrimidin-4-amine;
6-(1*H*-Pyrazol-1-yl)-N-(2-pyridin-3-ylethyl)-2-(2-thienyl)pyrimidin-4-amine;
6-(1*H*-Pyrazol-1-yl)-N-(2-pyridin-2-ylethyl)-2-(2-thienyl)pyrimidin-4-amine;
N-(3-Phenylpropyl)-6-(1*H*-pyrazol-1-yl)-2-(2-thienyl)pyrimidin-4-amine;
N-[3-(1*H*-imidazol-1-yl)propyl]-6-(1*H*-pyrazol-1-yl)-2-(2-thienyl)-pyrimidin-4-amine;
Ethyl 6-(1*H*-pyrazol-1-yl)-2-(2-thienyl)pyrimidin-4-yl]carbamate;
N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]-*N*-[(1*S**,2*R**)-2-phenylcyclopropyl]urea(*relative trans configuration);
N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]-*N*-propylurea;
N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]-*N*-isopropylurea;
N-Cyclopentyl-N-[2-(2-furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]urea;
N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]-*N*-(4-methoxy-phenyl)urea;
N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]-*N*-(2-phenylethyl)-urea;
N-Benzyl-N-[2-(2-furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]urea;
N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]-3-methylbutanamide;
N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]-3,3-dimethyl-butanamide;
N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]cyclopentane-carboxamide;
2-Chloro-N-[2-(2-furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]-2-phenyl-acetamide;
N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]-2-phenylacetamide;
2-(4-Fluorophenyl)-N-[2-(2-furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]acetamide;
N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]-2-(3-methoxy-phenyl)acetamide;
N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]-2-(2-methoxy-phenyl)acetamide;
2-(3,4-Dichlorophenyl)-N-[2-(2-furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]acetamide;

2-(1,3-Dibenzodioxol-5-yl)-N-[2-(2-furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]acetamide;
2-(3,4-Dihydroxyphenyl)-N-[2-(2-furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]acetamide;
2-(2,5-Dimethoxyphenyl)-N-[2-(2-furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]acetamide;
2-(4-Chloro-3-methylphenyl)-N-[2-(2-furyl)-6-(1*H*-pyrazol-1-yl)-pyrimidin-4-yl]acetamide;
2-(3,5-Dimethoxyphenyl)-N-[2-(2-furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]acetamide;
2-[3-(Benzyloxy)-4-methoxyphenyl]-N-[2-(2-furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]acetamide;
2-[4-(Cyclobutylloxy)-3-methoxyphenyl]-N-[2-(2-furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]acetamide;
N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]-2-(4-difluoromethoxy-3-methoxyphenyl)acetamide;
N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]-2-(3,4,5-trimethoxy-phenyl)acetamide;
2-(3,4-Dimethoxyphenyl)-N-[2-(2-furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]propanamide;
N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]benzamide;
N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]-3,4-dimethoxy-benzamide;
2,6-Difluoro-N-[2-(2-furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]-benzamide;
N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]-2-furamide;
N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]thiophene-2-carboxamide;
N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]nicotinamide;
N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]isonicotinamide;
N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]-1-naphthamide;
N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]quinoline-2-carboxamide;
(2*E*)-3-(3,4-Dimethoxyphenyl)-N-[6-(3,5-dimethyl-1*H*-pyrazol-1-yl)-2-(2-furyl)pyrimidin-4-yl]acrylamide;

2-(2-Furyl)-6-(2*H*-1,2,3-triazol-2-yl)pyrimidin-4-amine;
2-(2-furyl)-6-(1*H*-1,2,3-triazol-1-yl)pyrimidin-4-amine;
N-[2-(2-Furyl)-6-(2*H*-1,2,3-triazol-2-yl)pyrimidin-4-yl]propanamide;
2-(3,4-Dimethoxyphenyl)-N-[2-(2-furyl)-6-(2*H*-1,2,3-triazol-2-yl)-pyrimidin-4-yl]acetamide;
N-[2-(2-Furyl)-6-(1*H*-1,2,3-triazol-1-yl)pyrimidin-4-yl]propanamide;
2-(2-Furyl)-6(1,3-thiazol-2-yl)pyrimidin-4-amine;
N-[2-(2-Furyl)-6-(1,3-thiazol-2-yl)pyrimidin-4-yl]propanamide;
3-(3,4-Dimethoxyphenyl)-N-[2-(2-furyl)-6-(1,3-thiazol-2-yl)pyrimidin-4-yl]propanamide;
2,6-Di-2-furylpyrimidin-4-amine;
N-(2,6-Di-2-furylpyrimidin-4-yl)-2-(3,4-dimethoxyphenyl)acetamide;
6-(1,3-Benzothiazol-2-yl)-2-(2-furyl)pyrimidin-4-amine;
2-(5-Methyl-2-furyl)-6-(1,3-thiazol-2-yl)pyrimidin-4-amine;
6-(1,3-Thiazol-2-yl)-2-(2-thienyl)pyrimidin-4-amine;
2-(3,4-Dimethoxyphenyl)-N-[6-(2-furyl)-2-(1,3-thiazol-2-yl)pyrimidin-4-yl]acetamide;
6-(1*H*-Pyrazol-1-yl)-2-(1,3-thiazol-2-yl)pyrimidin-4-amine;
2-(3,4-Dimethoxyphenyl)-N-[6-(1*H*-pyrazol-1-yl)-2-(1,3-thiazol-2-yl)pyrimidin-4-yl]acetamide;
2-(2-Furyl)-N-methyl-6-(1,3-thiazol-2-yl)pyrimidin-4-amine;
N-(Cyclopropylmethyl)-2-(2-furyl)-6-(1,3-thiazol-2-yl)pyrimidin-4-amine;
N-[2-(3,4-Dimethoxyphenyl)ethyl]-2-(2-furyl)-6-(1,3-thiazol-2-yl)-pyrimidin-4-amine;
N-(Cyclopropylmethyl)-6-(2-furyl)-2-(1,3-thiazol-2-yl)pyrimidin-4-amine;
N-[2-(3,4-Dimethoxyphenyl)ethyl]-6-(2-furyl)-2-(1,3-thiazol-2-yl)-pyrimidin-4-amine;
6-(2-Furyl)-N-(2-pyridin-3-ylethyl)-2-(1,3-thiazol-2-yl)pyrimidin-4-amine;
6-(2-Furyl)-N-[(1*S**,2*R**)-2-phenylcyclopropyl]-2-(1,3-thiazol-2-yl)-pyrimidin-4-amine
(*relative trans configuration);

Ethyl[2-(2-furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]carbamate;
Cyclopentylmethyl[2-(2-furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]-carbamate;
Benzyl[2-(2-furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]carbamate;
3,4-Dimethoxybenzyl[2-(2-furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]carbamate;
Pyridin-3-ylmethyl[2-(2-furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]-carbamate;
4-Methoxyphenyl [2-(2-furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]-carbamate;
or
3,4-Dimethoxyphenyl [2-(2-furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]carbamate.

15. (Canceled)

16. (Previously presented) A method for treating ischemia, supraventricular arrhythmias, asthma, Parkinson disease, Huntington's disease, dystonias, restless leg syndrome or dyskinesias, comprising administering to a subject in need thereof a pharmaceutically effective amount of a compound according to claim 1.

17. (Canceled)

18. (Previously presented) A method according to claim 16 wherein the condition is ischemia, supraventricular arrhythmias, Parkinson disease, Huntington's disease, dystonias, restless leg syndrome or dyskinesias.

19. (Canceled)